Day of Observation.	Phenomenon.	Telescope.	Power.	Moon's Limb.	Mean Solar Time of Observation. h m	Observer.
1881, Nov. 12 (*e*)	Disapp. α Cancri	Altaz.	100	Bright	13 30 32·2	J. P.
	Reapp. α Cancri	,,	100	Dark	14 44 33·1	,,
29 (*f*)	Disapp. 16 Piscium	E. Eq.	310	,,	5 15 59·0	A. D.
	Disapp. 16 Piscium	Altaz.	100	,,	5 16 2·0	J. P.
(*g*)	Disapp. 19 Piscium	E. Eq.	140	,,	11 27 21·7	A. D.
Dec. 30 (*h*)	Disapp. ρ^2 Arietis	Altaz.	100	,,	5 31 6·3	T.
	Disapp. ρ^3 Arietis	E. Eq.	140	,,	5 31 6·1	A. P.

(*e*) Clouds passing.
(*g*) Instantaneous.
(*f*) The star became very faint before the disappearance.
(*h*) Image of star seemed disturbed on approaching the Moon's limb, but disappearance was instantaneous.

Phenomena of Jupiter's Satellites.

Day of Observation.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of *N.A.* h m s	Observer.
1881, Jan 31	II.	Ec. R. First seen	E. Eq.	140	7 3 29	7 4 11	A. D.
Feb. 15	III.	Ec. D. Last seen	,,	,,	8 18 59	8 19 41	W. C.
		,,	Altaz.	100	8 19 13		J. P.
Sept. 19 (*a*)	II.	Oc. R. Last contact	E. Eq.	140	10 44 27	10 38 0	L.
Oct. 6	III.	Tr. I. First contact	,,	,,	10 59 27	11 1 0	T.
		Bisection	,,	,,	11 3 11		
	I.	Ec. D. Last seen	,,	,,	11 29 11	11 28 40	,,
14 (*b*)	I.	Tr. I. First contact	,,	,,	11 22 45		,,
		Bisection	,,	,,	11 25 45	11 26 0	H. P.
		Last contact	,,	,,	11 29 44		,,

Day of Observation.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of *N.A.* h m s	Observer.
1881, Oct. 14	I.	Tr. E. Last contact	E. Eq.	140	13 38 53	13 37 0	H. P.
29	I.	Ec. D. Last seen	,,	,,	11 40 35	11 40 41	J. P.
31	I.	Oc. R. First seen	,,	310	8 37 6	8 39 0	C.
		Last contact	,,	,,	8 38 53		
(*c*)	III.	Ec. D. Last seen	,,	,,	9 3 39	9 0 48	C.
(*d*)	III.	,,	S. E. Eq.	320	9 3 40		M.
Nov. 22	II.	Ec. R. First seen	E. Eq.	140	7 33 26	7 33 41	J.
	I.	Tr. I. First contact	,,	,,	8 54 8	8 55 0	,,
		Bisection	,,	,,	8 56 18		
		Last contact	,,	,,	8 58 22		
23 (*e*)	I.	Oc. D. First contact	Altaz.	100	6 3 30	6 5 0	C.
		Last contact	,,	,,	6 6 20		
	I.	Ec. R. First seen	,,	,,	8 30 54	8 30 56	,,
28	I.	Oc. D. First contact	E. Eq.	310	13 22 31	13 23 0	,,
		Bisection	,,	,,	13 24 10		
		Last contact	,,	,,	13 25 20		

(*a*) Observed through thin cloud; observation rough.

(*b*) Limb of *Jupiter* diffused, but occasionally very well defined.

(*c*) Observation very unsatisfactory. Clouds continually passing across the planet.

(*d*) This phenomenon was observed through a narrow slit—*Jupiter* being well outside the slit—in order to see if any faint light from the satellite could be discerned after its entry into the shadow.

(*e*) Limb of *Jupiter* very tremulous; observation difficult.

Day of Observation.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of *N.A.* h m s	Observer.
1881, Nov. 29	II.	Oc. D. First contact	E. Eq.	140	6 37 22		
		Bisection	,,	,,	6 43 21	6 45 0	A. D.
		Last contact	,,	,,	6 47 35		
	II.	Ec. R. First seen	,,	,,	10 8 27	10 9 1	,,
	I.	Tr. I. First contact	,,	,,	10 36 48		
		Bisection	,,	,,	10 40 42	10 39 0	,,
		Last contact	,,	,,	10 43 12		
Dec. 8 (*f*)	II.	Tr. E. Bisection	,,	,,	5 58 42	6 0 0	T.
		Last contact	,,	,,	6 0 32		
13 (*g*)	III.	Oc. R. Last contact	,,	100	7 43 5	7 42 0	H. C.
21	I.	Oc. D. First contact	,,	140	13 3 36		
		Bisection	,,	,,	13 6 35	13 8 0	A. D.
		Last contact	,,	,,	13 9 20		
30 (*h*)	I.	Oc. D. Bisection	,,	,,	9 21 47	9 24 0	A. P.
		Last contact	,,	,,	9 24 42		

(*f*) Sky hazy. (*g*) Very faint; sky foggy. (*h*) Limb of *Jupiter* diffused.

The clear aperture of the object-glass of the S.E. Equatoreal is $12\frac{3}{4}$ inches, of the E. Equatoreal 6·7 inches, and of the Altazimuth $3\frac{3}{4}$ inches.

The initials W. C., C., A. D., M., T., L., H. P., J. P., J., A. P., and H. C., are those of Mr. Christie, Mr. Criswick, Mr. Downing, Mr. Maunder, Mr. Thackeray, Mr. Lewis, Mr. H. Pead, Mr. Power, Mr. James, Mr. A. Pead, and Mr. Cox.

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